Creative Enzymes®

Arabinofuranosidase 51A from Clostridium thermocellum, Recombinant

Cat. No. NATE-1324

Lot. No. (See product label)

Introduction

Description	Alpha-N-arabinofuranosidase is an enzyme with system name alpha-L-arabinofuranoside arabinofuranohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of terminal non-reducing alpha-L-arabinofuranoside residues in alpha-L-arabinosides. The enzyme acts on alpha-L-arabinofuranosides, alpha-L-arabinans containing (1,3)- and/or (1,5)-linkages, arabinoxylans and arabinogalactans.
Synonyms	non-reducing end alpha-L-arabinofuranosidase; alpha-L-arabinofuranoside non-reducing end alpha-L-arabinofuranosidase; EC 3.2.1.55; arabinosidase; alpha-arabinosidase; alpha-L-arabinosidase; alpha-arabinofuranosidase; polysaccharide alpha-L-arabinofuranosidase; alpha-L-arabinofuranoside hydrolase; L-arabinosidase; alpha-L-arabinanase; Alpha-N-arabinofuranosidase; α-L-Arabinofuranosidase

Product Information

Species	Clostridium thermocellum
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.55
CAS No.	9067-74-7
Molecular Weight	58.7 kDa
Purity	>90% by SDS-PAGE
Activity	125 U/mg
Concentration	1 mg/mL
Optimum pH	6–8
Optimum temperature	65 °C
Specificity	Arabinose side-chains from arabinoxylan

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.